



US Army Corps
of Engineers
Engineer Research and
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Fact Sheet

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IN-VAL-ADD Software

Description and Background: The Geospatial Information Division has developed the IN-VAL-ADD software tool as a user friendly interface to ARC/INFO that allows the user to INput VALue ADDED data to National Imagery and Mapping Agency (NIMA) data. NIMA is moving away from the traditional Defense Mapping Agency (now NIMA) production paradigm of providing products toward providing information. The new paradigm will provide seamless access to a global framework of *tailorable* imagery, imagery intelligence and geospatial information. The geospatial information will provide a baseline data set of digital feature data from which rapid intensification can be performed to support higher resolution mission-specific needs. The IN-VAL-ADD software is an invaluable tool for users who need to import and intensify NIMA products in ARC/INFO. It has a forms interface to edit commands that allow the analyst to quickly input or update features and/or attributes.

Key Capabilities: IN-VAL-ADD contains a trio of modules that import, value add, and export NIMA data. The modules can be installed either singly or in combination. IN-VAL-ADD comes with a TOUR GUIDE manual that assists the user in installation and explains the basic workflow and feature options. IN-VAL-ADD also provides on-line help.

Integration Module: The Integration Module is the starting point for using any of the other three IN-VAL-ADD software modules. It also provides a single point location to update system commands for the process.

Import Module: The Import Module allows the user to perform the following operations:

- Convert an entire VPF library or individual coverage from VPF to ARC.
- Graphically display the geographic extent of a selected library or of all libraries.
- List the contents of VPF tables.
- Convert only a subset of VPF data, such as individual tiles or certain feature classes.
- Project imported coverages.
- Perform advanced import functions, such as joining tiles at the coverage level, or excluding specific feature entities.

Value Add Module: The Value Add Module provides the user with the capability to create or edit the features or attributes of VPF data, which has been imported into the ARC/INFO environment.

Specifically, the module allows the user to perform the following operations:

- Designate coverages and features to be edited.
- Add or modify features and their attributes.
- Designate coverages and features to appear in the draw and back environments.
- Define and refresh the graphics display.
- Perform on-the-fly projections, and edit the projected space.
- Create topology.

Export Module: The Export Module allows the user to convert the ARC data set to VPF. Coverages, which are not in a Geographic projection with decimal degree coordinates, will be projected to that system. The data set will be structured according to its product specification.

Current Status: Currently, IN-VAL-ADD is available and capable of importing, value adding, and exporting Digital Topographic data, Digital Nautical Chart and Vector Map 0.

Point of Contact: Requirements Branch, rbinfo@tec.army.mil.

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